FORM PTO-1449/A and B (modified PTO/SB/08)

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 4

APPLICATION NO.: 09/669,187 ATTY. DOCKET NO.: C1039.70035US00

FILING DATE: September 25, 2000 CONFIRMATION NO.: 2999

APPLICANT: Krieg et al.

GROUP ART UNIT: 1643 EXAMINER: David J. Blanchard

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
Initials #	No.	Number Kind Code			
DB	A123	6,030,955		Stein et al.	02-29-2000
<u></u>	A124	6,221,882		Macfarlane	04-24-2001
	A125	6,339,630		Macfarlane	06-04-2002
	A126	6,479,504		Macfarlane et al.	11-12-2002
	A127	6,521,637		Macfarlane	02-18-2003
	A128	6,558,670	B1	Friede et al.	05-06-2003
	A129	6,610,661	B1	Carson et al.	08-26-2003
	A130	6,943,240		Bauer et al.	09-13-2005
T T	A131	6,949,520		Hartmann et al.	09-27-2005
	A132	7,001,890		Wagner et al.	02-26-2006
	A133	2002-0192184	Al	Carpentier et al.	12-19-2002
	A134	2003-0232856	A1	Macfarlane	12-18-2003
	A135	2004-0047869	Al	Garcon et al.	03-11-2004
	A136	2004-0067902	A9	Bratzler et al.	04-08-2004
	A137	2004-0247662	Al	Dow et al.	12-09-2004
	A138	2005-0004144	Al	Carson et al.	01-06-2005
	A139	2005-0013812	Al	Dow et al.	01-20-2005
	A140	2005-0031638	Al	Dalemans et al.	02-10-2005
	A141	2005-0123523	Al	Krieg et al.	06-09-2005
	A142	2005-0130911	Al	Uhlmann et al.	06-16-2005
	A143	2005-0148537	Al	Krieg et al.	07-07-2005
	A144	2005-0169888	A1	Hartman et al.	08-04-2005
	A145	2005-0171047	Al	Krieg et al.	08-04-2005
	A146	2005-0181422	Al	Bauer et al.	08-18-2005
	A147	2005-0182017	Al	Krieg	08-18-2005
	A148	2005-0197314	Al	Krieg et al.	09-08-2005
	A149	2005-0215500	Al	Krieg et al.	09-29-2005
	A150	2005-0215501	Al	Lipford et al.	09-29-2005
	A151	2005-0233995	Al	Krieg et al.	10-20-2005
	A152	2005-0233999	Al	Krieg et al.	10-20-2005
$-\Lambda$	A153	2005-0239732	Al	Krieg et al.	10-27-2005
DB	A154	2005-0239733	Al	Jurk et al.	10-27-2005

EXAMINER:	DATE CONSIDERED:
/David Blanchard/	08/03/2006

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APPLICATION NO.: 09/669,187 ATTY. DOCKET NO.: C1039.70035US00 FORM PTO-1449/A and B (modified PTO/SB/08) FILING DATE: September 25, 2000 CONFIRMATION NO.: 2999 RMATION DISCLOSURE APPLICANT: Krieg et al. STATEMENT BY APPLICANT EXAMINER: David J. Blanchard 1643 GROUP ART UNIT: 2 of 4 Sheet

DB	A155	2005-0239734	A1	Uhlmann et al.	10-27-2005
	A156	2005-0239736	A1	Krieg et al.	10-27-2005
	A157	2005-0245477	A1	Krieg et al.	11-03-2005
	A158	2005-0244379	A1	Krieg et al.	11-03-2005
	A159	2005-0244380	Al	Krieg et al.	11-03-2005
	A160	2005-0250726	A1	Krieg et al.	11-10-2005
	A161	2005-0256073	Al	Lipford et al.	11-17-2005
	A162	2005-0267057	Al	Krieg	12-01-2005
	A163	2005-0267064	Al	Krieg et al.	12-01-2005
$\overline{\cdot}$	A164	2005-0277604	Al	Krieg et al.	12-15-2005
	A165	2005-0277609	Al	Krieg et al.	12-15-2005
	A166	2006-0003955	Al	Krieg et al.	01-05-2006.
	A167	2006-0003962	Al	Ahluwalia et al.	01-05-2006
	A168	2006-0019916	A1	Krieg et al.	01-26-2006
	A169	2006-0019923	A1	Davis et al.	01-26-2006
	A170	2006-0058251	A1	Krieg et al.	03-16-2006
Λ	A171	2006-0089326	A1	Krieg et al.	04-27-2006
DB	A172	2006-0094683	Al	Krieg et al.	05-04-2006

FOREIGN PATENT DOCUMENTS

Cita	For	Foreign Patent Document		Name of Patentee or Applicant of Cited		Translation
No.	Office/ Country	Number	Kind Code	Document Document	· · · · · · · · · · · · · · · · · · ·	
B39	WO T	99/56755	Al	University of Iowa Research Foundation	11-11-1999	
B40	wo	00/06588	A1	University of Iowa Research Foundation	02-10-2000	
B41	wo	00/61151	A2	The Government of the United States of America	10-19-2000	
B42	WO	01/35991	A2	Dynavax Technologies Corporation	05-25-2001	
B43	wo	2004/007743	A2	Coley Pharmaceutical GmbH	01-22-2004	
B44	wo	2004/026888	A2	Coley Pharmaceutical GmbH	04-01-2004	
B45	wo	2004/094671	A2	Coley Pharmaceutical GmbH	11-04-2004	
						<u> </u>
	B39 B40 B41 B42 B43 B44	Office Office	Cite No. Office/ Country Number B39 WO 99/56755 B40 WO 00/06588 B41 WO 00/61151 B42 WO 01/35991 B43 WO 2004/007743 B44 WO 2004/026888	Cite No. Office/ Country Number Kind Code B39 WO 99/56755 A1 B40 WO 00/06588 A1 B41 WO 00/61151 A2 B42 WO 01/35991 A2 B43 WO 2004/007743 A2 B44 WO 2004/026888 A2	Name of Patentee of Applicant of Cited Document	Name of Patentee or Applicant of Cited Document Publication of Cited Document MM-DD-YYYY

EXAMINER:	DATE CONSIDERED:
/David Blanchard/	08/03/2006

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FORM PTO	JU ₁ -1449/A aṇḍ B (n	0.3 700	EC/88/08)	APPLICATION NO.: 09/669,187	ATTY. DOCKET NO.: C1039.70035US00
	14		C .	FILING DATE: September 25, 2000 CONFIRMATION NO.: 2999	
INFORMATION DISCUSSURE STATEMENT BY APPLICANT				APPLICANT: Krieg et al.	
		GROUP ART UNIT: 1643	EXAMINER: David J. Blanchard		
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
DB	C100	BARAL et al., Immunostimulatory CpG oligonucleotides enhance the immune response of anti- idiotype vaccine that mimics carcinoembryonic antigen. Cancer Immunol Immunother. 2003 May;52(5):317-27.	`
	C101	BLAZAR et al., Synthetic unmethylated cytosine-phosphate-guanosine oligodeoxynucleotides are potent stimulators of antileukemia responses in naive and bone marrow transplant recipients. Blood. 2001 Aug 15;98(4):1217-25.	
	C102	DAFTARIAN et al., Two distinct pathways of immuno-modulation improve potency of p53 immunization in rejecting established tumors. Cancer Res. 2004 Aug 1;64(15):5407-14.	
	C103	DAVILA et al., Generation of antitumor immunity by cytotoxic T lymphocyte epitope peptide vaccination, CpG-oligodeoxynucleotide adjuvant, and CTLA-4 blockade. Cancer Res. 2003 Jun 15;63(12):3281-8.	
	C104	GARBI et al., CpG motifs as proinflammatory factors render autochthonous tumors permissive for infiltration and destruction. J Immunol. 2004 May 15;172(10):5861-9.	
	C105	GOUTTEFANGEAS et al., Problem solving for tumor immunotherapy. Nat Biotechnol. 2000 May;18(5):491-2.	
-	C106	GROSSMANN et al., Avoiding tolerance against prostatic antigens with subdominant peptide epitopes. J Immunother. 2001 May-Jun;24(3):237-41.	
	C107	HAFNER et al., Antimetastatic effect of CpG DNA mediated by type I IFN. Cancer Res. 2001 Jul 15:61(14):5523-8.	
	C108	HARTMANN et al., CpG DNA: a potent signal for growth, activation, and maturation of human dendritic cells. Proc Natl Acad Sci U S A. 1999 Aug 3;96(16):9305-10.	
	C109	KLINMAN et al., Immunotherapeutic applications of CpG-containing oligodeoxynucleotides. Drug News Perspect, 2000 Jun;13(5):289-96.	
	C110	KLINMAN et al., Immune recognition of foreign DNA: a cure for bioterrorism? Immunity. 1999 Aug; 11(2):123-9.	
	C111	KRIEG et al., Applications of immune stimulatory CpG DNA for antigen-specific and antigen- nonspecific cancer immunotherapy. Eur J Canc. 1999 Oct; 35/Suppl4:S10. Abstract #14.	
	C112	KURAMOTO et al., Induction of T-cell-mediated immunity against MethA fibrosarcoma by intratumoral injections of a bacillus Calmette-Guerin nucleic acid fraction. Cancer Immunol Immunother. 1992;34(5):283-8.	
	C113	LIU et al., CpG ODN is an effective adjuvant in immunization with tumor antigen. J Invest Med. 1997 Sept7;45(7):333A.	
	C114	LONSDORF et al., Intratumor CpG-oligodeoxynucleotide injection induces protective antitumor T cell immunity. J Immunol. 2003 Oct 15;171(8):3941-6.	
	C115	MICONNET et al., CpG are efficient adjuvants for specific CTL induction against tumor antigenderived peptide. J Immunol. 2002 Feb 1;168(3):1212-8.	
V	C116	MILAS et al., CpG oligodeoxynucleotide enhances tumor response to radiation. Cancer Res. 2004 Aug 1;64(15):5074-7.	
DB	C117	PAVLICK et al., Novel therapeutic agents under investigation for malignant melanoma. Expert Opin Investig Drugs. 2003 Sep;12(9):1545-58.	

EXAMINER:	DATE CONSIDERED:
/David Blanchard/	08/03/2006

[#] EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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JUL C 3 2001	9.	DTO/SB/08)	APPLICATION NO.: 09/669,187	ATTY. DOCKET NO.: C1039.70035US00
13	,S/		FILING DATE: September 25, 2000 CONFIRMATION NO.: 2999	
EMENT BY	APPI	LICANT	APPLICANT: Krieg et al.	
4	of	4	GROUP ART UNIT: 1643	EXAMINER: David J. Blanchard
	13	JUL (3 2) 1449/A and B (Hodiffed	RMATION OYSCLOSURE EMENT BY APPLICANT	APPLICATION NO.: 09/669,187 FILING DATE: September 25, 2000 APPLICANT: Krieg et al. GROUP ART UNIT: 1643

DB	C118	REVAZ et al., The importance of mucosal immunity in defense against epithelial cancers. Curr Opin Immunol. 2005 Apr;17(2):175-9.	
	C119	TORTORA et al., Oral antisense that targets protein kinase A cooperates with taxol and inhibits tumor growth, angiogenesis, and growth factor production. Clin Cancer Res. 2000 Jun;6(6):2506-12.	
	C120	VICARI et al., Reversal of tumor-induced dendritic cell paralysis by CpG immunostimulatory oligonucleotide and anti-interleukin 10 receptor antibody. J Exp Med. 2002 Aug 19;196(4):541-9.	
	C121	WAGNER et al., CpG motifs are efficient adjuvants for genetic vaccines to induce antigen-specific protective anti-tumor T cell responses. 2000;203:429. Abstract R46.	
.\/	C122	WANG et al., CpG oligodeoxynucleotides inhibit tumor growth and reverse the immunosuppression caused by the therapy with 5-fluorouracil in murine hepatoma. World J Gastroenterol. 2005 Feb 28;11(8):1220-4.	
DB	C123	WEINER et al., Immunostimulatory oligodeoxynucleotides containing the CpG motif are effective as immune adjuvants in tumor antigen immunization. Proc Natl Acad Sci U S A. 1997 Sep 30;94(20):10833-7.	

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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